

**RECEIVED
CENTRAL FAX CENTER**

AUG 08 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of:

Group Art Unit: 1725

Applicant: Zafir Abdo, et al.

Examiner: Beveridge, Rachel E.

Serial No.: 10/692,403

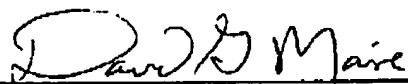
Atty. Docket: 2003P14606US

Filed: 10/23/2003

Title: TRANSIENT LIQUID PHASE BONDING TO COLD-WORKED
SURFACESCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that the following papers are being transmitted by facsimile transmission to the US Patent & Trademark Office fax number 571-273-8300 on the date shown below:

This Certificate of Facsimile Transmission (1 page)
Response under 37 CFR 1.111 (5 pages)



8/8/2006

David G. Maire, Reg. No. 34,865

Date

Beusse Wolter Sanks Mora & Maire, P.A.
390 North Orange Ave., Suite 2500
Orlando, FL 32801
telephone: 407-926-7704

10/692,403

**RECEIVED
CENTRAL FAX CENTER**

AUG 08 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of: Group Art Unit: 1725
Applicant: Zafir Abdo, et al. Examiner: Beveridge, Rachel E.
Serial No.: 10/692,403 Atty. Docket: 2003P14606US
Filed: 10/23/2003
Title: TRANSIENT LIQUID PHASE BONDING TO COLD-WORKED
SURFACES

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE UNDER 37 CFR 1.111

This paper is being submitted in response to the Office Communication mailed 05/10/2006.

REMARKS

Claims 1-18, 25 and 26 are pending in this application. Claims 1, 2, 5, 10-18, 25 and 26 are rejected under 35 USC 102 as being anticipated by Burke. Claim 3 is rejected under 35 USC 103 as being unpatentable over Burke. Claims 4 and 6 are rejected under 35 USC 103 as being unpatentable over Burke in view of Stenard.

The Applicants traverse the rejection of the claims based upon the Burke reference, as follows.

First, Burke clearly teaches away from the present invention. Independent claim 1 includes the limitation of "the substrate surface is cold worked to a degree sufficient to cause grains nucleating in a molten region of the consumable insert during the transient liquid phase bonding process to grow into the substrate." Independent claim 10 includes the limitation of "wherein the substrate is cold worked to a degree sufficient to cause the joint grains to recrystallize and grow into the